

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	IEEE 802.16 Task Group a, Session #17 Minutes	
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Re:	IEEE 802.16 TGa Session #17 (Levi, Finland January 21-24, 2002)	
Abstract		
Purpose	To record meeting minutes.	
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Minutes of IEEE 802.16 TGa at Session #17
A Task Group of IEEE 802.16
Levi, Finland
21-24 January 2002

Motions

All motions made regarding comments during comment resolution are recorded in revision 5, IEEE 802.16-02/01r5, of the Commentary database.

Motion 1 Randall Schwartz, to adopt David Trinkwon's proposal (see Appendix A) covering naming and optional modes, 2nd David Trinkwon.

Motion 1 Fails 2-25.

Motion 2 Shawn Taylor to eliminate mode C (Licensed OFDMA) 2nd Carl Eklund.

Motion 2 Fails 17-7.

Motion 3 To have a mesh tutorial to be presented in a joint meeting at session #18

Motion 3 Carries 15-1.

Action Items for Next Meeting

Mesh tutorial to be presented in a joint meeting at session #18

Advanced Antenna Systems Ad Hoc group was formed and will be chaired by Randall Schwartz and/or Phil Kelly. The group was tasked to develop the following to be presented at session #18: 1) An analysis of the integrated Advanced Antenna Systems mode (ModeC) vs. the other modes using non-integrated AAS.
2) Proposed text for insertion into the draft document.

Created an Ad Hoc regarding Alamouti preambles chaired by Amir Sarajedini. This group is tasked to develop text for insertion into the draft document during session #18.

Meeting was adjourned at 3:08pm.

Appendix A

The following was a proposal was submitted by David Trinkwon covering naming and optional modes.

This Standard specifies a number of (optional) air interfaces to address a range of market and performance requirements. A Base Station (BS), Subscriber Station (SS) or Mesh Node (MN) is compliant with the Standard if it supports any one (or more) of the designated air interfaces. Table aaa designates the air interfaces specified by this Standard, together with the additional qualifiers needed to assure interoperability.

	Air Interface Designation	Qualifiers		
		Frequency *	Duplex	Topology
i	WirelessMAN-SC-1	10-66GHz Licensed	TDD FDD HFDD	PMP
ii	WirelessMAN-SC-2	2-11GHz Licensed	TDD FDD	PMP
iii	WirelessMAN-OFDM-1	2-11GHz Licensed	TDD FDD	PMP
iv	WirelessMAN-OFDMA-1	2-11GHz Licensed	TDD FDD	PMP
v	WirelessMAN-OFDMA-2	2-11GHz Licensed	TDD	PMP
vi	WirelessHUMAN-OFDM-1	2-11GHz License Exempt	TDD	PMP MESH
vii	WirelessHUMAN-OFDMA-1	2-11GHz License Exempt	TDD	PMP MESH

** Specific equipment and deployments will need to additionally qualify the frequency band / block / channel and licensing / regulatory factors for compliance, interoperability and coexistence purposes.*

Table aaa : IEEE802.16 Standard Air Interfaces

Each of the designated air interfaces incorporates an appropriate combination of MAC and PHY specifications, as summarized in Table bbb below.

	Air Interface Designation	Specifications	
		MAC *	PHY
I	WirelessMAN-SC-1	Basic	SC Type I
ii	WirelessMAN-SC-2	Basic,(ARQ), (STC),(AAS),	SC Type II
iii	WirelessMAN-OFDM-1	Basic,(ARQ),(STC),(AAS),	OFDM
iv	WirelessMAN-OFDMA-1	Basic,(ARQ), (STC),(AAS),	OFDMA Type I
v	WirelessMAN-OFDMA-2	Basic,ARQ, STC, AAS,	OFDMA Type II
vi	WirelessHUMAN-OFDM-1	Basic,(ARQ),(DFS), (STC), (MSH),(AAS),	OFDM
vii	WirelessHUMAN-OFDMA-1	Basic,(ARQ),(DFS), (STC), (MSH),(AAS),	OFDMA Type I

* MAC features in parentheses are optional within the designated air interface.

Table bbb : IEEE802.16 Standard Air Interface Specifications